

PSYCHOMETRIKA

Author and Subject Indexes

1946-1955

Prepared by B. J. Winer

Department of Psychology

Purdue University

AUTHOR INDEX

- Abelson, Robert P. 18, 213-218
- Adcock, C. J. 17, 249-253
- Adkins, Dorothy C. 14, 69-73; 14, 75-78; 15, 331-338; 19, 71-78 (with Leonard Matin)
- Ahmavaara, Yrjö 19, 27-38
- Alexander, Howard W. 12, 79-99
- Anderson, T. W. 16, 31-50; 19, 1-10
- Andregg, Neal B. 14, 47-60 (with Warren G. Findley)
- Andrews, F. C. 15, 191-204 (with Z. W. Birnbaum and E. Paulson)
- Andrews, T. G. 13, 281-283; 14, 257
- Angoff, William H. 18, 1-14
- Appel, Valentine 17, 325-330
- Arbous, A. G. 17, 331-346 (with H. S. Sichel)
- Ashby, W. R. 12, 135-140
- Ayers, J. Douglas 17, 305-310 (with J. Perham Stanley)
- Baehr, Melany E. 17, 107-126
- Baldwin, Alfred L. 12, 59-60; 12, 159; 12, 159-161
- Bedell, B. J. 15, 419-430
- Bennett, C. C. 15, 441-447 (with John B. Carroll)
- Berkhouse, Rudolph G. 19, 91-92
- Betts, Gilbert L. 15, 435-439
- Binder, Arnold 20, 29-50
- Birnbaum, Z. W. 15, 191-204 (with E. Paulson and F. C. Andrews); 15, 385-389
- Birren, James E. 16, 219-232 (with Jack Botwinick)
- Boguslavsky, G. W. 20, 125-138
- Bordin, Edward S. 18, 187-188
- Borgatta, Edgar F. 19, 271-279 (with David G. Hays)
- Botwinick, Jack 16, 219-232 (with James E. Birren)
- Botzum, William A. 16, 361-386
- Brogden, Hubert E. 11, 139-154; 11, 197-214; 14, 169-182; 15, 328-329; 19, 141-148; 19, 205-208; 20, 249-252
- Brown, C. W. 13, 195-196
- Bruner, J. S. 15, 63-72 (with L. Postman and F. Mosteller)
- Burke, Paul J. 17, 231-233
- Burr, Irving W. 14, 137-161 (with W. F. Long)
- Burros, Raymond H. 19, 57-64 (with W. A. Gibson); 20, 299-305
- Burt, Cyril 12, 171-188
- Campbell, Joel T. 16, 67-74 (with Robert J. Wherry and Robert Perloff)
- Carroll, John B. 15, 83-88; 15, 441-447 (with C. C. Bennett); 18, 23-38
- Carter, Launor F. 12, 31-42 (with Frank J. Dudek)
- Castore, George F. 14, 243-250 (with William S. Dye, III)
- Cattell, A. K. S. 12, 267-288 (with Raymond B. Cattell and R. H. Rhymer)
- Cattell, Raymond B. 12, 197-220; 12, 267-288 (with A. K. S. Cattell and R. H. Rhymer); 13, 115-119; 14, 279-298; 19, 209-230 (with S. S. Dubin and D. R. Saunders)
- Chapanis, Alphonse 18, 327-336
- Chapman, Robert L. 13, 175-179; 16, 244-245
- Christensen, Paul R. 18, 135-160 (with Russel F. Green, J. P. Guilford, and Andrew L. Comrey); 19, 297-311 (with Robert C. Wilson, J. P. Guilford, and Donald J. Lewis)
- Comrey, Andrew L. 12, 237; 13, 283-284; 13, 284-285; 15, 317-325; 18, 135-160 (with Russel F. Green, J. P. Guilford, and Paul R. Christensen)
- Coombs, Clyde H. 13, 59-68; 13, 233-243; 14, 33-42 (with George A. Satter); 16, 351; 19, 183-194
- Copi, Irving M. 19, 167-169
- Cottle, William C. 15, 25-47
- Cronbach, Lee J. 12, 1-16; 16, 167-188 (with Willard G. Warrington); 16, 297-334; 17, 127-147 (with Willard G. Warrington); 19, 263-270; 19, 327-330 (with Goldine C. Gleser)
- Cureton, Edward E. 11, 191-196; 17, 41-43 (with Laurence Siegel); 17, 311-316 (with Mordecai H. Gordon and Edward H. Loveland); 17, 397-399
- Davidoff, Melvin D. 16, 239-242 (with Howard W. Goheen); 18, 115-121 (with Howard W. Goheen); 19, 163-164
- Davis, Frederick B. 11, 249-255; 13, 49-52; 13, 123-124
- Deemer, W. L. 15, 339-347 (with D. F. Votaw, Jr., and J. A. Rafferty)
- Degan, James W. 13, 87-89
- Denton, J. C. 20, 75-81 (with Calvin W. Taylor)
- Dingman, Harvey F. 19, 257-259
- Dubin, S. S. 19, 209-230 (with Raymond B. Cattell and D. R. Saunders)
- DuBois, Philip H. 13, 285-286; 16, 129-139 (with Goldine C. Gleser); 18, 309-317 (with Goldine C. Gleser and Jane Loevinger)
- Dudek, Frank J. 12, 31-42 (with Launor F. Carter); 13, 121-123
- Durost, Walter M. 20, 261-262
- Dwyer, Paul S. 19, 11-26
- Dye, William S., III 14, 243-250 (with George F. Castore)
- Ebel, Robert L. 16, 407-424
- Edwards, Allen L. 13, 99-114 (with Franklin P. Kilpatrick); 13, 185-187;

- 15, 17-24 (with Paul Horst); 17, 169-180 (with L. L. Thurstone); 19, 89-91
- Eisenhart, Churchill 15, 449-453
- Ellis, Max E. 13, 79-85 (with Arthur J. Riopelle)
- Eysenck, H. J. 20, 168-169
- Fan, C. T. 19, 231-237
- Fay, Leo C. 15, 349-367 (with Palmer O. Johnson)
- Ferguson, George A. 14, 61-68; 19, 281-290
- Festinger, Leon 11, 97-105; 15, 209-213
- Findley, Warren G. 14, 47-60 (with Neal B. Andregg)
- Flanagan, John C. 17, 359-368
- Fleishman, Edwin A. 18, 45-55; 19, 239-252 (with Walter E. Hempel, Jr.)
- Fowler, H. M. 12, 221-232
- Frankel, Stanley 20, 149-162
- French, John W. 13, 271-277; 17, 101-106; 18, 181-182
- Friedman, Gabriel 18, 219-224 (with Virginia Zachert)
- Fruchter, Benjamin 14, 89-93; 17, 45-68 (with J. P. Guilford and Wayne S. Zimmerman) 18, 257-265
- Garner, W. R. 19, 170-172
- Gaylord, Richard H. 11, 173-183 (with Robert J. Wherry)
- Gengerelli, J. A. 13, 69-77; 13, 135-146
- Ghiselli, Edwin E. 13, 53-54
- Gibson, W. A. 17, 317-323; 18, 15-21; 18, 111-113; 19, 57-64 (with Raymond H. Burros); 20, 69-73
- Gleser, Goldine C. 16, 129-139 (with Philip H. DuBois); 18, 309-317 (with Jane Loevinger and Philip H. DuBois); 19, 327-330 (with Lee J. Cronbach)
- Goheen, Howard W. 13, 279-280 (with Samuel Kavruck); 16, 239-242 (with Melvin D. Davidoff); 18, 115-121 (with Melvin D. Davidoff)
- Goodman, Leo A. 18, 245-248
- Gordon, Mordecai H. 17, 311-316 (with Edward H. Loveland and Edward E. Cureton)
- Gourlay, Neil 20, 227-248; 20, 273-287
- Grant, David A. 16, 243
- Green, Bert F., Jr. 15, 57-61; 15, 251-257; 16, 151-166; 17, 429-440; 20, 163-165
- Green, Russel F. 18, 135-160 (with J. P. Guilford, Paul R. Christensen, and Andrew L. Comrey)
- Gregory, Wilbur S. 12, 291-292; 12, 292-293; 13, 193-194; 13, 194-195
- Guilford, J. P. 13, 1-22 (with William B. Michael); 15, 76-79; 15, 237-249 (with William B. Michael); 16, 335-346 (with Norman C. Perry); 17, 45-68 (with Benjamin Fruchter and Wayne S. Zimmerman); 18, 135-160 (with Russel F. Green, Paul R. Christensen, and Andrew L. Comrey); 19, 297-311 (with Robert C. Wilson, Paul R. Christensen, and Donald J. Lewis); 20, 263-265
- Gulliksen, Harold 15, 91-114 (with S. S. Wilks); 15, 259-269; 16, 1-2; 16, 233-238 (with Ledyard R. Tucker); 16, 285-296; 18, 131-133; 18, 297-307; 19, 117-139
- Guttman, Louis 11, 81-95; 17, 209-222; 18, 123-130; 18, 225-239; 18, 277-296; 19, 149-161; 20, 113-124; 20, 173-192
- Hamilton, C. Horace 15, 151-168
- Hamilton, Max 13, 259-269
- Harary, Frank 17, 195-208 (with Ian C. Ross)
- Harman, Harry H. 17, 353-354; 19, 39-55; 19, 95-96
- Harris, Chester W. 20, 23-28; 20, 289-297
- Harrison, Stephen 19, 79-88 (with Norman H. Ishler and Elsie M. Laue)
- Hartley, Raymond E. 19, 195-203
- Hayes, Samuel P., Jr. 11, 163-172
- Hays, David G. 19, 271-279 (with Edgar F. Borgatta)
- Heath, Helen 17, 87-100
- Hempel, Walter E., Jr. 19, 239-252 (with Edwin A. Fleishman)
- Holley, J. W. 12, 263-265
- Hormaeche, M. 20, 307-318 (with H. J. A. Rimoldi)
- Horst, Paul 13, 125-134; 14, 21-31; 14, 79-88; 15, 17-24 (with Allen L. Edwards); 15, 271-289 (with Stevenson Smith); 15, 407-408; 16, 57-66; 16, 189-202; 19, 291-296
- Householder, A. S. 17, 441-442
- Hsü, E. H. 11, 31-42
- Humphreys, Lloyd G. 13, 119-121; 14, 163-165 (with Lyle V. Jones)
- Ishler, Norman H. 19, 79-88 (with Stephen Harrison and Elsie M. Laue)
- Jaspen, Nathan 11, 23-30
- Jenkins, W. L. 20, 253-258
- Johnson, A. P. 12, 51-58
- Johnson, Helmer G. 15, 115-119
- Johnson, Palmer O. 15, 349-367 (with Leo C. Fay)
- Johnson, Roswell H. 12, 233-235
- Jones, Lyle V. 14, 163-165 (with Lloyd G. Humphreys); 14, 299-331; 18, 182-184
- Jurgensen, C. E. 12, 17-29
- Kao, Richard C. W. 18, 241-243
- Katz, Leo 18, 39-43; 18, 249-256 (with James H. Powell)
- Kavruck, Samuel 13, 279-280 (with Howard W. Goheen)
- Kilpatrick, Franklin P. 13, 99-114 (with Allen L. Edwards)
- Kimball, Allyn W. 15, 1-15
- Klein, L. R. 18, 95-96
- Kossack, Carl F. 13, 91-93
- Landahl, H. D. 16, 347-348
- Laue, Elsie M. 19, 79-88 (with Stephen Harrison and Norman H. Ishler)
- Layton, Wilbur L. 16, 51-56
- Lefever, Welty 11, 189-190
- Leverett, Hollis M. 12, 141-152
- Lewis, Donald J. 19, 297-311 (with Robert

- C. Wilson, J. P. Guilford, and Paul R. Christensen)
 Lindquist, E. F. 12, 65-78
 Loevinger, Jane 16, 437-439; 18, 309-317 (with Goldine C. Gleser and Philip H. DuBois)
 Long, W. F. 14, 137-161 (with Irving W. Burr)
 Lord, Frederic M. 17, 181-194; 17, 297-304; 18, 57-76; 20, 1-22; 20, 193-200
 Lorge, Irving 20, 139-148 (with Herbert Solomon)
 Loveland, Edward H. 17, 311-316 (with Mordecai H. Gordon and Edward E. Cureton)
 Lovell, Constance 11, 257-259
 Lubin, A. 16, 271-284 (with A. Summerfield); 16, 348-351; 16, 423-437 (with A. Summerfield)
 Luce, R. Duncan 14, 95-116 (with Albert D. Perry); 15, 169-191; 20, 319-327 (with Josiah Macy, Jr., and Renato Tagiuri)
 Lyerly, Samuel B. 16, 21-30; 17, 421-428
 Lyman, John 15, 49-55 (with Pietro V. Marchetti)
 McCarthy, Philip J. 16, 247-269
 MacCrone, I. D. 14, 1-20 (with A. Starfield)
 McGill, William J. 17, 369-396 (with George A. Miller); 19, 97-116
 McNemar, Quinn 12, 153-157; 15, 213-214; 16, 353-359; 16, 439-440
 Macy, Josiah, Jr. 20, 319-327 (with R. Duncan Luce and Renato Tagiuri)
 Madow, William C. 19, 334
 Marchetti, Pietro V. 15, 49-55 (with John Lyman)
 Maritz, J. S. 18, 97-110
 Matin, Leonard 19, 71-78 (with Dorothy C. Adkins)
 Medland, Francis F. 12, 101-109
 Michael, William B. 12, 235-236; 13, 1-22 (with J. P. Guilford); 13, 47-49; 15, 237-249 (with J. P. Guilford); 15, 327-328; 19, 92-94; 19, 313-325 (with Norman C. Perry); 20, 166-168
 Milholland, John E. 19, 165-167
 Miller, George A. 17, 149-167; 17, 369-396 (with William J. McGill); 18, 184-187
 Mollenkopf, William G. 14, 189-229; 15, 291-315; 15, 409-417
 Moses, Lincoln E. 17, 239-247
 Mosteller, F. 15, 63-72 (with J. S. Bruner and L. Postman); 15, 73-76; 16, 3-9; 16, 203-206; 16, 207-218
 Mueller, Kate Hevner 13, 52-53
 Myers, Charles T. 17, 347-352
 Paulson, E. 15, 191-204 (with Z. W. Birnbaum and F. C. Andrews)
 Payne, M. Carr, Jr. 20, 87-92 (with Leonard Staugas)
 Peel, E. A. 11, 129-137
 Pemberton, Carol 17, 267-288
 Perloff, Robert 16, 67-74 (with Robert J. Wherry and Joel T. Campbell)
 Perry, Albert D. 14, 95-116 (with R. Duncan Luce)
 Perry, Norman C. 16, 335-346 (with J. P. Guilford); 18, 319-326; 19, 313-325 (with William B. Michael)
 Peters, Charles C. 11, 57-69
 Plumlee, Lynnette B. 17, 69-86; 19, 65-70
 Postman, Leo 14, 165-168; 15, 63-72 (with J. S. Bruner and F. Mosteller)
 Powell, James H. 18, 249-256 (with Leo Katz)
 Rafferty, J. A. 15, 339-347 (with D. F. Votaw, Jr., and W. L. Deemer)
 Rao, C. Radhakrishna 20, 93-111
 Reiersøl, Olav 15, 121-149
 Reiner, John M. 15, 79-83
 Restle, Frank 20, 201-208
 Reynolds, William A. 11, 223-238
 Rhymer, R. M. 12, 267-288 (with Raymond B. Cattell and A. K. S. Cattell)
 Richardson, Lewis F. 13, 147-174; 13, 197-232
 Rimoldi, H. J. A. 13, 27-46; 16, 75-101; 20, 307-318 (with M. Hormaeche)
 Riopelle, Arthur J. 13, 79-85 (with Max E. Ellis)
 Rippe, Dayle D. 18, 191-205
 Rosenblith, Walter A. 16, 141-147
 Rosner, Burt 13, 181-184
 Ross, Ian C. 17, 195-208 (with Frank Harary)
 Rulon, Phillip Justin 14, 259-278
 Sakoda, James M. 19, 253-256
 Sandler, Joseph 17, 223-229
 Satter, George A. 14, 33-42 (with Clyde H. Coombs)
 Saunders, D. R. 13, 251-257; 19, 209-230 (with Raymond B. Cattell and S. S. Dubin)
 Schmid, John, Jr. 15, 431-434
 Schultz, Douglas G. 15, 369-384
 Schützenberger, Marco P. 13, 95-97
 Shoben, Edward Joseph, Jr. 12, 289-290; 13, 54
 Sichel, Herbert S. 16, 107-127; 17, 1-39; 17, 331-346 (with A. G. Arbous)
 Siegel, Laurence 17, 41-43 (with Edward E. Cureton)
 Smith, Stevenson 15, 271-289 (with Paul Horst)
 Solomon, Herbert 20, 139-148 (with Irving Lorge)
 Stanley, J. Perham 17, 305-310 (with J. Douglas Ayers)
 Starfield, A. 14, 1-20 (with I. D. MacCrone)
 Staugas, Leonard 20, 87-92 (with M. Carr Payne, Jr.)
 Stephenson, William 19, 331-333
 Summerfield, A. 16, 271-284 (with A. Lubin); 16, 423-437 (with A. Lubin)
 Swineford, Frances 11, 43-49; 13, 23-25; 14, 183-187
 Tagiuri, Renato 20, 319-327 (with R. Duncan Luce and Josiah Macy, Jr.)

- Taylor, Calvin W. 12, 239-262; 15, 391-406;
 20, 75-81 (with J. C. Denton)
 Taylor, Erwin K. 11, 155-161 (with Robert
 J. Wherry); 12, 111-125
 Thorndike, Robert L. 12, 60-61; 15, 215-
 235; 18, 267-276
 Thurstone, L. L. 11, 15-21; 11, 71-79; 11,
 185-188; 14, 43-45; 16, 11-20; 17, 169-
 180 (with Allen L. Edwards); 19, 173-
 182; 20, 171-172
 Torgerson, Warren S. 17, 401-419
 Tsao, Fei 11, 107-128
 Tucker, Ledyard R. 11, 1-13; 13, 245-250;
 14, 117-119; 16, 233-238 (with Harold
 Gulliksen); 20, 51-61; 20, 209-225; 20,
 267-271
 Tyler, Fred T. 17, 289-296
 Van Boven, Alice 12, 127-133
 Voss, Harold A. 12, 43-49
 Votaw, D. F., Jr. 15, 339-347 (with J. A.
 Rafferty and W. L. Deemer); 17, 255-266
 Warrington, Willard G. 16, 167-188 (with
 Lee J. Cronbach); 17, 127-147 (with
 Lee J. Cronbach)
 Webster, Harold 18, 207-211; 20, 165-166
 Weichelt, John A. 11, 215-221
 Weitzenhoffer, André M. 16, 387-406
 Welsh, George Schlager 20, 83-85
 Wenger, M. A. 13, 190-193
 Wherry, Robert J. 11, 155-161 (with
 Erwin K. Taylor); 11, 173-183 (with
 Richard H. Gaylord); 11, 239-247; 12,
 189-195; 14, 231-241; 16, 67-74 (with
 Joel T. Campbell and Robert Perloff);
 18, 161-179 (with Ben J. Winer)
 Wilks, S. S. 15, 91-114 (with Harold
 Gulliksen)
 Wilson, Clark L., Jr. 13, 124
 Wilson, Robert C. 19, 297-311 (with J. P.
 Guilford, Paul R. Christensen, and
 Donald J. Lewis)
 Winer, Ben J. 18, 161-179 (with Robert
 J. Wherry); 20, 63-68
 Woodbury, Max A. 16, 103-106
 Worcester, D. A. 13, 189-190
 Wrigley, Charles 20, 259-260
 Yela, Mariano 14, 121-135
 Zachert, Virginia 18, 219-224 (with Gabriel
 Friedman)
 Ziegler, James 19, 261-262
 Zimmerman, Wayne S. 11, 51-55; 17, 45-68
 (with J. P. Guilford and Benjamin
 Fruchter); 18, 77-93

SUBJECT INDEX

- Achievement tests, recency of training. Schultz, 15, 369-384
- USAFI. Findley and Andregg, 14, 47-60
- Additive scales. Weitzenhoffer, 16, 387-406
- Adjustment of deviant observations. Bruner, Postman, and Mosteller, 15, 63-72
- Aitken pivotal condensation method. Van Boven, 12, 127-133
- Allocation, optimum (see Classification, personnel).
- Alpha coefficient. Cronbach, 16, 297-334
- Analysis of covariance, disproportionate frequencies. Tsao, 11, 107-128
- Johnson-Neyman technique. Johnson and Fay, 15, 349-367; Abelson, 18, 213-218
- matrix model. Rulon, 14, 259-278
- multiple. Gulliksen and Wilks, 15, 91-114
- Analysis of variance. Bruner, Postman, and Mosteller, 15, 63-72
- bias in *F*-tests. Gourlay, 20, 227-248, 273-287
- computational techniques. Edwards and Horst, 15, 17-24
- correlation. Coombs, 13, 233-243
- disproportionate frequencies. Tsao, 11, 107-128; Gourlay, 20, 227-248
- error term. Binder, 20, 29-50
- information theory. McGill, 19, 97-116
- Johnson-Neyman technique. Johnson and Fay, 15, 349-367
- Latin square. Gourlay, 20, 273-287
- matrix model. Rulon, 14, 259-278
- reliability (see Reliability, analysis of variance).
- trend. Lindquist, 12, 65-78
- Anti-images, regression analysis. Guttman, 18, 277-296
- Antimetries, sociometric data. Luce, 15, 169-191
- Antinorm, image theory. Guttman, 18, 277-296
- Apparatus, computational device. Lyman and Marchetti, 15, 49-55
- Arcsin transformation, proportions. Mosteller, 16, 207-218
- Association measures, information. McGill, 19, 97-116
- Attenuation, chance success. Johnson, 12, 51-58; Plumlee, 17, 69-86; Horst, 19, 291-296
- length of test. Guilford and Michael, 15, 237-249
- restriction in range. Maritz, 18, 97-110
- Attitudes, measurement theory. Coombs, 13, 59-68; Edwards and Kilpatrick, 13, 99-114
- racial. MacCrone and Starfield, 14, 1-20
- war. Richardson, 13, 147-174, 197-232
- Automata, design. Frankel, 20, 149-162
- Bias, average rating. Cureton, 17, 397-399
- biserial correlation. Maritz, 18, 97-110
- F*-tests. Gourlay, 20, 227-248, 273-287
- raw test scores. Hamilton, 15, 151-168; Lysterly, 16, 21-30
- selection. Birnbaum, Paulson and Andrews, 15, 191-204
- Binomial analysis, common elements. Gengerelli, 13, 69-77
- Biographical data, K. J. Holzinger, Harman, 19, 95-96
- C. I. Mosier. Gulliksen, 16, 1-2
- Sir Godfrey Thomson. Thurstone, 20, 171-172
- L. L. Thurstone. Guilford, 20, 263-265
- Biserial correlation, biases. Maritz, 18, 97-110
- computational procedures. Siegel and Cureton, 17, 41-43; Fan, 19, 231-237
- estimation from phi-coefficient. Guilford and Perry, 16, 335-346
- multiple. Wherry, 12, 189-195
- Brogden *S* coefficient. Brogden, 14, 169-182
- Categorical judgment, scaling. Gulliksen, 19, 117-139
- Chains, sociometric analysis. Luce and Perry, 14, 95-116; Luce, 15, 169-191
- Chance success, multiple-choice items. Plumlee, 17, 69-86; Hamilton, 15, 151-168; Lysterly, 16, 21-30
- Chi square test, computational procedures. Carroll and Bennett, 15, 441-447
- correction for continuity. Edwards, 13, 185-187
- correlated proportions. McNemar, 12, 153-157
- factor analysis. Rippe, 18, 191-205
- tables. Gordon, Loveland, and Cureton, 17, 311-316
- Classification, dichotomous. Wherry, 12, 189-195
- differential prediction. Horst and Smith, 15, 271-289; Mollenkopf, 15, 409-417
- discriminant function. Anderson, 16, 31-50
- military tests. Findley and Andregg, 14, 47-60
- multivariate. Tyler, 17, 289-296; Lord, 17, 297-304
- personnel. Brogden, 11, 139-154; Thorndike, 15, 215-235; Votaw, 17, 255-266; Thorndike, 18, 267-276; Dwyer, 19, 11-26; Brogden, 19, 205-208; Brogden, 20, 249-252
- Cliques, sociometric analysis. Luce and Perry, 14, 95-116; Luce, 15, 169-191
- Cluster analysis, identification. Thorndike, 18, 267-276

- rotation. Adecock, 17, 249-253
- Common elements, binomial. Gengerelli, 13, 69-77
- Communication, multivariate information. McGill, 19, 97-116
- Communication matrix, sociometric paths. Ross and Harary, 17, 195-208
- Commutive systems. Ashby, 12, 135-140
- Compactness coefficient. Moses, 17, 239-247
- Comparability, test scores. Schultz, 15, 369-384
- Comparative judgment, least-squares solution. Gibson, 18, 15-21
- scaling. Burros and Gibson, 19, 57-64; Gulliksen, 19, 117-139
- Components of variance, factor analysis. Harris, 20, 23-28
- Computational procedures, analysis of variance and covariance. Tsao, 11, 107-128
- average rank correlation. Lyerly, 17, 421-428
- biserial correlation. Goheen and Davidoff, 16, 239-242; Siegel and Cureton, 17, 41-43; Dingman, 19, 257-259
- classification. Dwyer, 19, 11-26
- comparative judgment. Gibson, 18, 15-21
- contingency tables. Carroll and Bennett, 15, 441-447
- correlation matrix (see Correlation matrix)
- correlations using data from extremes. Weichelt, 11, 215-221
- exhaustion method. Layton, 16, 51-56
- intraclass correlation (see Intraclass correlation)
- intraserial correlation. Payne and Staugas, 20, 87-92
- inverse of triangular matrix. Fruchter, 14, 89-93
- item analysis. Gleser and DuBois, 16, 129-139; Webster, 18, 207-211; Fan, 19, 231-237; Ziegler, 19, 261-262
- Johnson-Neyman technique. Abelson, 18, 213-218
- latent structure analysis. Green, 16, 151-166; Anderson, 19, 1-10; Gibson, 20, 69-73
- moments. Lyman and Marchetti, 15, 49-55
- multiple regression. Summerfield and Lubin, 16, 271-284, 423-437; Harman, 19, 39-55
- phi coefficient. Jurgensen, 12, 17-29
- pivotal condensation. Van Boven, 12, 127-133
- product-moment correlations (see Correlation matrix, computation)
- profile analysis. Harris, 20, 289-297
- regression weights. Gengerelli, 13, 135-146
- reliability. Cronbach, 16, 297-334; Ebel, 16, 407-424
- scaling. Edwards and Thurstone, 17, 169-180; Torgerson, 17, 401-419; Gibson, 18, 111-113; Burros and Gibson, 19, 57-64; Gulliksen, 19, 117-139; Rimoldi and Hormaeche, 20, 307-318; Burros, 20, 299-305
- scoring tests. Kimball, 15, 1-15
- square root method. Summerfield and Lubin, 16, 271-284, 423-437; Harman, 19, 39-55
- square roots (IBM). Reynolds, 11, 223-238
- successive residuals. Layton, 16, 51-56
- sums of products. Ellis and Riopelle, 13, 79-85; Castore and Dye, 14, 243-250; Edwards and Horst, 15, 17-24; Burke, 17, 231-233; Ayers and Stanley, 17, 305-310
- test selection. Wherry and Gaylord, 11, 173-183; Summerfield and Lubin, 16, 271-284, 423-437
- tetrachoric correlation (see Tetrachoric correlation, computation)
- transformations. Harman, 19, 39-55
- Computers, design of automata. Frankel, 20, 149-162
- Concordance index, sociometric rating. Katz and Powell, 18, 249-256
- Conditioning, mathematical model. Boguslavsky, 20, 125-138
- Confidence intervals, predicted scores. Sichel, 17, 1-39
- true scores. Lord, 18, 57-76
- Configuration, measurement. Cattell, 14, 279-298
- Confluence analysis. Reiersøl, 15, 121-149
- Conformity index, sociometric ratings. Katz and Powell, 18, 249-256
- Connectivity, sociometric groups. Luce, 15, 169-191
- Consistency, forced choice items. Fowler, 12, 221-232
- Contingency analysis, information transmission. McGill, 19, 97-116
- reliability. Guttman, 11, 81-95
- Contingency tables, computational procedures. Carroll and Bennett, 15, 441-447
- Continuity, correction. Edwards, 13, 185-187
- Correction, attenuation. Johnson, 15, 115-119
- unequal numbers of raters. Cureton, 17, 397-399
- Correlated percentages, test for differences. McNemar, 12, 153-157; Edwards, 13, 185-187; Swineford, 14, 183-187
- Correlation, analysis of variance. Coombs, 13, 233-243
- biserial. Brogden, 14, 169-182; Goheen and Davidoff, 16, 239-242; Perry and Michael, 19, 313-325
- common elements. Gengerelli, 13, 69-77
- estimation. Weichelt, 11, 215-221
- high-low-27-percent. Fan, 19, 231-237
- interaction. Coombs, 13, 233-243
- intraclass (see Intraclass correlation)
- intraserial (see Intraserial correlation)

- Correlation (*cont.*)
 maximum between multiple-choice tests.
 Horst, 19, 291-296
 multiseriial. Jaspens, 11, 23-30
 overlapping groups. Winer, 20, 63-68
 phi coefficient. Guilford and Perry, 16, 335-346
 selective efficiency. Brogden, 14, 169-182
 semi-partial (see Semi-partial correlation)
 tetrachoric (see Tetrachoric correlation).
- Correlation matrix, computation. Kossack, 13, 91-93; Tucker, 13, 245-250; Adkins, 14, 69-73
- Correlation ratio, multiseriial. Wherry and Taylor, 11, 155-161
- Covariance analysis (see Analysis of covariance).
- Criterion-keying. French, 17, 101-106
- Cronbach alpha coefficient. Cronbach, 16, 297-334
- Curve-fitting, approximation methods. Chapanis, 18, 327-336
 ergographic data. Tucker, 20, 51-61
 learning model. Miller and McGill, 17, 369-396; Gulliksen, 18, 297-307
 negative binomial. Sichel, 16, 107-127
 normal. Leverett, 12, 141-152
 parabola. Chapanis, 18, 327-336
 tests of significance. Lindquist, 12, 65-78
- Curvilinear correlation, parabolic. Peters, 11, 57-69
 reliability. Lord, 17, 181-194
- Cut point, item difficulty. Cronbach and Warrington, 17, 127-147
 limen. Perry, 18, 319-326
 optimum. Sichel, 17, 1-39; Maritz, 18, 97-110
 personnel classification (see Classification).
 selective efficiency. Brogden, 14, 169-182
 test. Birnbaum, 15, 385-389
- Decision functions, classification. Anderson, 16, 31-50
- Deviant observations, adjustment. Bruner, Postman and Mosteller, 15, 63-72
- Diadic relations, model. Luce, Macy, and Tagiuri, 20, 319-327
- Differences, prediction. Mollenkopf, 15, 409-417
- Differential prediction (see Classification).
- Difficulty, computation. Fan, 19, 231-237
 correction for non-attempts. Mollenkopf, 15, 291-315
 heterogeneity and validity. Cronbach, 16, 297-334
 influence of problem length. Birren and Botwinick, 16, 219-232
 item. Gulliksen, 16, 285-296
 maximum correlation. Horst, 19, 291-296
 optimum distribution. Cronbach and Warrington, 17, 127-147; Lord, 17, 181-194
 reliability. Tucker, 11, 1-13
 reliability and validity. Brogden, 11, 197-214
- Dimension analysis. Weitzenhoffer, 16, 387-406
 job families. Thorndike, 18, 267-276
 scaling. Torgerson, 17, 401-419
- Discriminal dispersion, estimation. Coombs, 13, 59-68; Burros and Gibson, 19, 57-64; Rimoldi and Hormaeche, 20, 307-318; Burros, 20, 299-305
- Discriminant function (see also Classification). Thorndike, 15, 215-235; Horst and Smith, 15, 271-289; Tyler, 17, 289-296; Thorndike, 18, 267-276
 computation. Schmid, 15, 431-434
 discriminant statistic P_{00} . Betts, 15, 435-439
 multivariate. Anderson, 16, 31-50; Thorndike, 18, 267-276
 region of significance. Johnson and Fay, 15, 349-367
 relation to regression. Wherry, 12, 189-195
- Discrimination, coefficient. Ferguson, 14, 61-68
 difficulty. Brogden, 11, 197-214; Cronbach and Warrington, 17, 127-147; Lord, 17, 181-194
 item. Fan, 19, 231-237
 learning model. Restle, 20, 201-208
 maximum. Loevinger, Gleser, and DuBois, 18, 309-317
 optimum distribution. Ferguson, 14, 61-68
 panel. Harrison, Ishler, and Laue, 19, 79-88
 region of significance. Johnson and Fay, 15, 349-367
 test. Tucker, 11, 1-13; Cronbach, 19, 263-270
 true scores. Lord, 18, 57-76
- Disproportionate frequencies, analysis of variance and covariance. Tsao, 11, 107-128
- Distance, classes. Tyler, 17, 289-296
 estimation. Torgerson, 17, 401-419
 latent. Hays and Borgatta, 19, 271-279
 psychological. Coombs, 19, 183-194
 Q-factor analysis. Sakoda, 19, 253-256
- Distance analysis. Thorndike, 18, 267-276
 profiles. Harris, 20, 289-297
 simplex. Guttman, 20, 173-192
- Distortion, personality tests. Brogden, 19, 141-148
- Dwyer square root method. Summerfield and Lubin, 16, 271-284, 423-437; Harman, 19, 39-55
- Econometric models, relation to factor analysis. Reiersøl, 15, 121-149
- Educational development tests. Findley and Andregg, 14, 47-60
- Effective test length, speeded tests. Angoff, 18, 1-14
- Efficiency, selection. Sichel, 17, 1-39; Arbous and Sichel, 17, 331-346
- Electronic computers, item analysis. Ziegler, 19, 261-262

- Epidemiology, model. Richardson, 13, 147-174, 197-232
- Equal-appearing intervals, scaling. Edwards and Kilpatrick, 13, 99-114
- Equating tests, maximum likelihood. (see also Reliability). Lord, 20, 193-200
- Equilibrium in self-organizing systems. Ashby, 12, 135-140
- Equivalence and reliability. Johnson, 15, 115-119
- Equivalence coefficient. Cronbach, 12, 1-16; Cronbach and Warrington, 16, 167-188; Cronbach, 16, 297-334
- Ergographic experiment, rational function. Tucker, 20, 51-61
- Errata. Degan, 13, 87-89; Cureton, 18, 1a; Guttman, 20, 124
- Estimation, maximum likelihood. Lord, 20, 193-200
- truncated multivariate normal. Votaw, Rafferty, and Deemer, 15, 339-347
- Eta. Peters, 11, 57-69; Lord, 17, 181-194
- multiserial. Wherry and Taylor, 11, 155-161
- Eureka-type problems. Lorge and Solomon, 20, 139-148
- Exhaustion method. Gengerelli, 13, 135-146; Layton, 16, 51-56
- F*-tests, bias. Gourlay, 20, 227-248, 273-287
- error terms. Binder, 20, 29-50
- Factor analysis, aesthetic preferences. Peel, 11, 129-137
- age levels. Burt, 12, 171-188; Jones, 14, 299-331
- Air Force Classification Battery. Guilford, Fruchter, and Zimmerman, 17, 45-68; Zachert and Friedman, 18, 219-224
- analytic rotation. (see Factor analysis, rotation)
- anthropometric data. Thurstone, 11, 15-21; Burt, 12, 171-188; Heath, 17, 87-100
- aptitude tests. (See Factor analysis, intelligence)
- body types. Thurstone, 11, 15-21; Burt, 12, 171-188; Heath, 17, 87-100
- canonical. Rao, 20, 93-111
- centroid. Holley, 12, 263-265
- changes due to learning. Fleishman and Hempel, 19, 239-252
- closure factors. Botzum, 16, 361-386; Pemberton, 17, 267-288
- common elements. Gengerelli, 13, 69-77
- communalities. Medland, 12, 101-109; Rosner, 13, 181-184; Wherry, 14, 231-241
- computational methods. Wherry and Winer, 18, 161-179
- creative thinking. Wilson, Guilford, Christensen, and Lewis, 19, 297-311
- critique. McNemar, 16, 353-359
- descriptive vs. inferential. Hartley, 19, 195-203
- econometric models. Reiersøl, 15, 121-149
- extension methods. Wherry, 14, 231-241
- factor scores. Guilford and Michael, 13, 1-22; Baehr, 17, 107-126
- factorial invariance. Zimmerman, 18, 77-93
- figure classification tests. Myers, 17, 347-352
- fluency in writing. Taylor, 12, 239-262
- group structure. Winer, 20, 63-68
- hypothesis testing. Burt, 12, 171-188; Saunders, 13, 251-257; Rippe, 18, 191-205; Guttman, 19, 149-161; Hartley, 19, 195-203; Rao, 20, 93-111
- identifiability. Reiersøl, 15, 121-149
- image theory. Guttman, 18, 277-296
- individual tests. Rimoldi, 13, 27-46
- information theory. Ferguson, 19, 281-290
- intelligence. Rimoldi, 13, 27-46; Yela, 14, 121-135; Jones, 14, 299-331; Rimoldi, 16, 75-101; Guilford, Fruchter, and Zimmerman, 17, 45-68; Pemberton, 17, 267-288; Zimmerman, 18, 77-93; Green, Guilford, Christensen, and Comrey, 18, 135-160 (See also Factor analysis, reasoning)
- intelligence and personality tests. Denton and Taylor, 20, 75-81
- interest inventories. Cottle, 15, 25-47
- interpretation. Davis, 11, 249-255
- intra-individual. Cattell, Cattell, and Rhymer, 12, 267-288
- intra-task performance. Fleishman, 18, 45-55
- invariance under selection. Ahmavaara, 19, 27-38
- item selection. Bedell, 15, 419-430
- iterative methods. Wherry, Campbell, and Perloff, 16, 67-74; Wherry and Winer, 18, 161-179
- job families. Coombs and Satter, 14, 33-42
- latent class analysis. Green, 16, 151-166
- matching factors. Burt, 12, 171-188; Cattell, 12, 197-220; Jones, 14, 299-331; Cattell, Dubin, and Saunders, 19, 209-230
- mathematical basis. Guttman, 17, 209-222
- maximum likelihood estimation. Rao, 20, 93-111
- mechanical ability. Chapman, 13, 175-179
- motor tests (see Factor analysis, psychomotor tests).
- multiple-group method. Thurstone, 14, 43-45; Guttman, 17, 209-222; Adcock, 17, 249-253; Harman, 19, 39-55
- navigation variables. Carter and Dudek, 12, 31-42
- neurotic tendency. MacCrone and Starfield, 14, 1-20
- nonverbal tests. Myers, 17, 347-352
- number of factors. Guttman, 19, 149-161
- oblique coordinates. Gulliksen and Tucker, 16, 233-238

Factor analysis (*cont.*)

- occupations. Coombs and Satter, 14, 33-42
- olfaction. Hsü, 11, 31-42
- orthogonal rotation. Zimmerman, 11, 51-55
- orthogonal vs. oblique structure. Gibson, 17, 317-323; Zimmerman, 18, 77-93; Harman, 19, 39-55
- P*-technique. Cattell, Cattell, and Rhymer, 12, 267-288
- partition of sums of squares. Harris, 20, 23-28
- perception. Botzum, 16, 361-386; Guilford, Fruchter, and Zimmerman, 17, 45-68; Green, Guilford, Christensen, and Comrey, 18, 135-160
- performance tests. Rimoldi, 13, 27-46; Fleishman, 18, 45-55
- personality. Cattell, 12, 197-220; Cattell, Cattell, and Rhymer, 12, 267-288; MacCrone and Starfield, 14, 1-20; Cottle, 15, 25-47; Thurstone, 16, 11-20; Baehr, 17, 107-126; Cattell, Dubin, and Saunders, 19, 209-230
- personality and intelligence tests. Denton and Taylor, 20, 75-81
- physiological variables. Cattell, Cattell, and Rhymer, 12, 267-288
- primary mental abilities battery. Zimmerman, 18, 77-93
- principal axes. Green, 15, 57-61; Harris, 20, 289-297
- principal components. Guttman, 20, 173-192
- profile similarity. Harris, 20, 289-297
- profiles. Sakoda, 19, 253-256
- psychomotor tests. Fleishman, 18, 45-55; Fleishman and Hempel, 19, 239-252
- Q*-technique. Peel, 11, 129-137; Cattell, 12, 197-220; Sandler, 17, 223-229; Sakoda, 19, 253-256
- rank. Guttman, 19, 149-161
- reading. Thurstone, 11, 185-188; Davis, 11, 249-255
- reasoning. Botzum, 16, 361-386; Pemberton, 17, 267-288; Green, Guilford, Christensen, and Comrey, 18, 135-160; Matin and Adkins, 19, 71-78; Wilson, Guilford, Christensen, and Lewis, 19, 297-311
- reflection in centroid analysis. Holley, 12, 263-265
- regression analysis. Carter and Dudek, 12, 31-42
- regression estimates. Peel, 11, 129-137
- relation between test length and loadings. Guilford and Michael, 15, 237-249
- reliability. Guilford and Michael, 15, 237-249
- residuals. Wherry, 14, 231-241
- restriction in range. Ahmavaara, 19, 27-38
- rights and wrongs* scores. Fruchter, 18, 257-265
- rotation. Zimmerman, 11, 51-55; Thurstone, 11, 71-79; Burt, 12, 171-188; Saunders, 13, 251-257; Yela, 14, 121-135; Sandler, 17, 223-229; Adecock, 17, 249-253; Gibson, 17, 317-323; Carroll, 18, 23-38; Zimmerman, 18, 77-93; Thurstone, 19, 173-182; Hartley, 19, 195-203; Ferguson, 19, 281-290; Tucker, 20, 209-225
- sampling errors. Rippe, 18, 191-205
- scholastic achievement. Yela, 14, 121-135
- second-order. Rimoldi, 13, 27-46; Yela, 14, 121-135; Rimoldi, 16, 75-101; Botzum, 16, 361-386; Baehr, 17, 107-126; Matin and Adkins, 19, 71-78
- selection of population. Degan, 13, 87-89; Birnbaum, Paulson, and Andrews, 15, 191-204; Ahmavaara, 19, 27-38
- separation of data. Harris, 20, 23-28
- Sheppard Field Battery. Guilford, Fruchter, and Zimmerman, 17, 45-68
- simple structure (see Factor analysis, rotation).
- simplex. Guttman, 20, 173-192
- speeded tests. Myers, 17, 347-352; Fruchter, 18, 257-265
- stability. MacCrone and Starfield, 14, 1-20; Fleishman, 18, 45-55; Zachert and Friedman, 18, 219-224
- Stanford-Binet. Jones, 14, 299-331
- suppressor variables. Wherry, 11, 239-247
- temperament. Thurstone, 16, 11-20; Baehr, 17, 107-126
- test construction. Wherry and Winer, 18, 161-179; Loevinger, Gleser, and DuBois, 18, 309-317
- test-equivalents. Sandler, 17, 223-229
- test items. Jones, 14, 299-331; Wherry and Winer, 18, 161-179
- test scores. Guttman, 17, 209-222
- tests of significance (see Factor analysis, hypothesis testing).
- theory. Peel, 11, 129-137; Guttman, 17, 209-222; Ahmavaara, 19, 27-38; Harman, 19, 39-55; Hartley, 19, 195-203; Harris, 20, 23-28; Rao, 20, 93-111
- transformations. Gibson, 17, 317-323; Harman, 19, 39-55
- USAFI tests. Findley and Andregg, 14, 47-60
- Fatigue, rational function. Tucker, 20, 51-61
- Fiducial limits, point biserial correlation. Perry and Michael, 19, 313-325
- Fixed vs. random variables, analysis of variance. Binder, 20, 29-50
- Forced choice, number of alternatives. Fowler, 12, 221-232
- rationale. Coombs, 13, 59-68; Brogden, 19, 141-148
- reliability. Fowler, 12, 221-232
- Game theory, classification. Votaw, 17, 255-266; Dwyer, 19, 11-26
- Goodness of fit, paired comparisons. Mos-teller, 16, 207-218
- tests. Lindquist, 12, 65-78

- Gramian matrices, minimum rank. Guttman, 19, 149-161
- Greenwood-Yule model, negative binomial. Sichel, 16, 107-127
- Group problem-solving. Lorge and Solomon, 20, 139-148
- Group structure, correlation. Winer, 20, 63-68
- matrix methods. Luce and Perry, 14, 95-116
- measurement. Luce, 15, 169-191
- status index. Katz, 18, 39-43
- Guttman scale analysis. Edwards and Kilpatrick, 13, 99-114; Hays and Borgatta, 19, 271-279
- History, mathematical model. Richardson, 13, 147-174, 197-232
- Homogeneity, item. Cronbach, 16, 297-334
- Homogeneity of residuals, tests. Gulliksen and Wilks, 15, 91-114
- Homogeneity of variance, standard error measurement. Mollenkopf, 14, 189-229
- Homogeneous tests, construction. Loevinger, Gleser, and DuBois, 18, 309-317
- Hotelling's *T*. Tyler, 17, 289-296
- Hypothesis testing, analysis of variance. Binder, 20, 29-50; Gourlay, 20, 227-248
- classification. Anderson, 16, 31-50
- combining tests of significance. Gordon, Loveland, and Cureton, 17, 311-316
- correlated proportions. McNemar, 12, 153-157; Edwards, 13, 185-187
- correlations. Coombs, 13, 233-243
- curvilinearity of regression. Peters, 11, 57-69
- error of measurement. Green, 15, 251-257
- factor analysis (see Factor analysis, hypothesis testing)
- information transmission. McGill, 19, 97-116
- Johnson-Neyman technique. Abelson, 18, 213-218
- latent structure analysis. McCarthy, 16, 247-269; Anderson, 19, 1-10
- Latin squares. Gourlay, 20, 273-287
- learning. Boguslavsky, 20, 125-138
- linear. Rulon, 14, 259-278; Johnson and Fay, 15, 349-367
- multivariate. Gulliksen and Wilks, 15, 91-114; Tyler, 17, 289-296
- negative binomial. Sichel, 16, 107-127
- non-parametric (see Non-parametric methods)
- paired comparison scaling. Mosteller, 16, 207-218
- percentages. Swineford, 11, 43-49; Swineford, 13, 23-25; Swineford, 14, 183-187; Appel, 17, 325-330
- point biserial correlation. Perry and Michael, 19, 313-325
- rank. Moses, 17, 239-247; Lysterly, 17, 421-428
- scale analysis. McCarthy, 16, 247-269
- selection procedures. Sichel, 17, 1-39
- skewed distributions. Taylor, 12, 111-125; Sichel, 16, 107-127
- sociometric measures. Katz and Powell, 18, 249-256
- trend. Lindquist, 12, 65-78; Alexander, 12, 79-99
- true scores. Lord, 18, 57-76
- truncated distributions. Maritz, 18, 97-110
- IBM methods, intraserial correlation. Payne and Staugas, 20, 87-92
- item biserial correlations. Siegel and Cureton, 17, 41-43
- square roots. Reynolds, 11, 223-238
- sums of products. Ellis and Riopelle, 13, 79-85; Castore and Dye, 14, 243-250; Burke, 17, 231-233; Ayers and Stanley, 17, 305-310
- Idempotent matrices, factor analysis. Harris, 20, 23-28
- Identifiability. Reiersøl, 15, 121-149
- Image theory. Guttman, 18, 277-296
- Index, curvilinearity. Peters, 11, 57-69
- Information, factor analysis. Ferguson, 19, 281-290
- multivariate transmission. McGill, 19, 97-116
- test. Woodbury, 16, 103-106; Cronbach, 19, 263-270
- Interaction, computational techniques. Edwards and Horst, 15, 17-24
- correlation. Coombs, 13, 233-243
- trend analysis. Lindquist, 12, 65-78
- Internal consistency, speeded tests. Gulliksen, 15, 259-269; Cronbach and Warrington, 16, 167-188; Angoff, 18, 1-14
- Intervening variables, mathematical model. Boguslavsky, 20, 125-138
- Intraclass correlation. Alexander, 12, 79-99; Coombs, 13, 233-243; Ebel, 16, 407-424
- Intra-individual correlation, factor analysis. Cattell, Cattell, and Rhymer, 12, 267-288
- Intraserial correlation, computation. Payne and Staugas, 20, 87-92
- Inverse, triangular matrix. Fruchter, 14, 89-93
- Item analysis, biserial correlation. Siegel and Cureton, 17, 41-43
- criterion-keying. French, 17, 101-106
- difficulty. Cronbach and Warrington, 17, 127-147; Lord, 17, 181-194
- electronic computer. Ziegler, 19, 261-262
- extreme groups. Fan, 19, 231-237
- homogeneous tests. Loevinger, Gleser, and DuBois, 18, 309-317
- maximum validity. Gleser and DuBois, 16, 129-139; French, 17, 101-106; Webster, 18, 207-211
- non-parametric methods. Webster, 18, 207-211
- placement of items. Mollenkopf, 15, 291-315

- Item analysis (*cont.*)
 scaling methods. Edwards and Kilpatrick, 13, 99-114
 selection of unifactor items. Bedell, 15, 419-430
 speeded tests. Mollenkopf, 15, 291-315
 unattempted items. Gulliksen, 15, 259-269
 validity coefficient. Johnson, 12, 51-58
 Item-characteristic function. Lord, 18, 57-76
 Item difficulty, optimal distribution. Cronbach and Warrington, 17, 127-147
 Iterative solution, regression weights. Horst and Smith, 15, 271-289
 J-scales. Coombs, 19, 183-194
 Job analysis, factor analysis. Coombs and Satter, 14, 33-42
 Job distances. Thorndike, 18, 267-276
 Johnson-Neyman technique. Johnson and Fay, 15, 349-367; Abelson, 18, 213-218
 Joint-occurrence matrices, latent class analysis. Green, 16, 151-166
 KG index. Johnson, 12, 51-58
 Keying items, multiple-choice. French, 17, 101-106
 Kurtosis, binomial. Gengerelli, 13, 69-77
 error of measurement. Mollenkopf, 14, 189-229
 Latent roots, Gramian matrices. Guttman, 19, 149-161
 Latent structure analysis. Green, 16, 151-166; McCarthy, 16, 247-269; Anderson, 19, 1-10; Hays and Borgatta, 19, 271-279; Gibson, 20, 69-73
 Latent variables. Reiersøl, 15, 121-149
 Latin square, analysis of variance. Gourlay, 20, 273-287
 Learning, models. Miller, 17, 149-167; Miller and McGill, 17, 369-396; Kao, 18, 241-243; Goodman, 18, 245-248; Gulliksen, 18, 297-307; Boguslavsky, 20, 125-138; Restle, 20, 201-208
 psychomotor. Fleishman and Hempel, 19, 239-252
 Learning curves. Gulliksen, 18, 297-307
 Least squares, estimation. Brogden, 20, 249-252
 image theory. Guttman, 18, 277-296
 scaling. Mosteller, 16, 3-9
 Length of test, effect on factor loadings. Guilford and Michael, 15, 237-249
 effective. Angoff, 18, 1-14
 optimal. Horst, 13, 125-134; Horst, 14, 79-88; Horst, 16, 189-202
 Likelihood ratio criterion. Gulliksen and Wilks, 15, 91-114; Green, 15, 251-257
 Linear hypothesis. Rulon, 14, 259-278; Binder, 20, 29-50
 Linear programming, classification. Votaw, 17, 255-266; Dwyer, 19, 11-26; Brogden, 20, 249-252
 Linearity, tests. Lindquist, 12, 65-78; Alexander, 12, 79-99
 Markov chains. Miller, 17, 149-167; Kao, 18, 241-243; Goodman, 18, 245-248
 Matching profiles, purposes. Cattell, 14, 279-298
 Matrix, rearrangement. Gibson, 18, 111-113
 sociometric analysis. Luce, 15, 169-191
 theorems. Reiersøl, 15, 121-149; Guttman, 19, 149-161
 Maximum likelihood estimation, equating tests. Lord, 20, 193-200
 negative binomial. Sichel, 16, 107-127
 reliability. Alexander, 12, 79-99
 true scores. Lysterly, 16, 21-30; Lord, 18, 57-76
 Measurement, theory. Weitzenhoffer, 16, 387-406
 Mechanical model, oblique coordinates. Gulliksen and Tucker, 16, 233-238
 Methodology. Flanagan, 17, 359-368
 Minimax principle, classification. Anderson, 16, 31-50
 Models, analysis of variance. Rulon, 14, 259-278; Binder, 20, 29-50; Gourlay, 20, 227-248, 273-287
 automata. Frankel, 20, 149-162
 conditioning. Boguslavsky, 20, 125-138
 cumulative scale analysis. Hays and Borgatta, 19, 271-279
 ergographic experiment. Tucker, 20, 51-61
 group vs. individual problem-solving. Lorge and Solomon, 20, 139-148
 history. Richardson, 13, 147-174, 197-232
 identifiability of structural variables. Reiersøl, 15, 121-149
 intervening variables. Boguslavsky, 20, 125-138
 latent class. Green, 16, 151-166
 latent structure analysis. Anderson, 19, 1-10; Gibson, 20, 69-73
 learning (see Learning, models).
 multidimensional scaling. Torgerson, 17, 401-419
 nervous system. Ashby, 12, 135-140; Frankel, 20, 149-162
 psychometric. Tucker, 20, 267-271
 relational analysis. Luce, Macy, and Tagiuri, 20, 319-327
 selection of personnel. Sichel, 17, 1-39; Arbous and Sichel, 17, 331-346
 speed and length of problem. Birren and Botwinick, 16, 219-232
 war-moods. Richardson, 13, 147-174, 197-232
 Monte Carlo method, digital computers. Frankel, 20, 149-162
 Multiple-choice items, reliability. Lord, 17, 181-194
 Multiple-choice tests, number of alternatives. Hamilton, 15, 151-168
 Multiple-choice vs. answer-only items. Plumlee, 17, 69-86; Plumlee, 19, 65-70
 Multiple correlation, biserial. Wherry, 12, 189-195
 bounds. Horst, 16, 57-66
 differences. Mollenkopf, 15, 409-417
 estimation. Gengerelli, 13, 135-146; Layton, 16, 51-56

- Multiple regression, computational procedures. Van Boven, 12, 127-133
square root method. Summerfield and Lubin, 16, 271-284, 423-437; Harman, 19, 39-55
- Multiplicative scales. Weitzenhoffer, 16, 387-406
- Multiserial correlation, general formulas. Jaspens, 11, 23-30
- Multivariate analysis. Gulliksen and Wilks, 15, 91-114; Anderson, 16, 31-50; Tyler, 17, 289-296; McGill, 19, 97-116
- Multivariate normal. Birnbaum, Paulson, and Andrews, 15, 191-204; Anderson, 16, 31-50
- Negative binomial, estimation of parameters. Sichel, 16, 107-127
- Nervous system, model. Frankel, 20, 149-162
- Nomographs, chi square for frequency of differences. Voss, 12, 43-49
difference in percentages. Appel, 17, 325-330
inter-item correlation and true score. Tucker, 11, 1-13
percentages and sample size. Swineford, 11, 43-49
range. Schützenberger, 13, 95-97
tetrachoric correlation. Hayes, 11, 163-172; Hamilton, 13, 259-269
- Non-attempted test items, biases in scoring. Hamilton, 15, 151-168
- Non-parametric methods, item analysis. Webster, 18, 207-211
means. Festinger, 11, 97-105
range. Schützenberger, 13, 95-97
ranks. Moses, 17, 239-247; Lysterly, 17, 421-428
sign test. Voss, 12, 43-49
- Normalizing units. Leverett, 12, 141-152
- Oblique coordinates, model. Gulliksen and Tucker, 16, 233-238
- Operating characteristic curves, selection procedures. Sichel, 17, 1-39
- Optimal regions, classification. Dwyer, 19, 11-26
- Order-relations, simplex. Guttman, 20, 173-192
- Ordinal scales. Weitzenhoffer, 16, 387-406
- Organizational analysis, correlation coefficient. Winer, 20, 63-68
- P*-technique (see Factor analysis, *P*-technique).
- Paired comparisons. Comrey, 15, 317-325
case V. Mosteller, 16, 3-9; Mosteller, 16, 207-218
checks. Edwards and Thurstone, 17, 169-180
scaling. Burros and Gibson, 19, 57-64; Coombs, 19, 183-194
theory. Coombs, 13, 59-68
unequal variances. Mosteller, 16, 203-206
- Panel selection. Harrison, Ishler, and Laue, 19, 79-88
- Parabolic correlation. Peters, 11, 57-69
- Parabolic curves, fitting. Chapanis, 18, 327-336
- Parallel tests, criterion. Lord, 20, 1-22
- Votaw's test. Green, 15, 251-257
- Partitions, sociometric paths. Ross and Harary, 17, 195-208
- Pattern analysis, common elements. Gengerelli, 13, 69-77
- Pattern similarity, index. Cattell, 14, 279-298
- Q*-technique. Sakoda, 19, 253-256
- Percentages, correlated. Swineford, 13, 23-25
sample size. Swineford, 11, 43-49
testing hypotheses. McNemar, 12, 153-157; Edwards, 13, 185-187; Swineford, 14, 183-187; Appel, 17, 325-330
- Performance parameters, effect of age. Birren and Botwinick, 16, 219-232
- Persistence test, validity. French, 13, 271-277
- Personality tests, forced-choice items. Brogden, 19, 141-148
objective. Cattell, Dubin, and Saunders, 19, 209-230
- Personnel classification (see Classification).
- Personnel selection. Sichel, 17, 1-39; Arbous and Sichel, 17, 331-346
- Phi coefficient, corrections. Guilford and Perry, 16, 335-346
tables. Jurgensen, 12, 17-29
- Placement, item. Mollenkopf, 15, 291-315
- Point biserial correlation, computation. Dingman, 19, 257-259
fiducial limits. Perry and Michael, 19, 313-325
- Poisson distribution, compound. Sichel, 16, 107-127
- Poisson variable, transformation. Bruner, Postman, and Mosteller, 15, 63-72
- Politics, model. Richardson, 13, 147-174, 197-232
- Pooling rules, analysis of variance. Binder, 20, 29-50
- Power functions, true scores. Lord, 18, 57-76
- Prediction, addition of single test to battery. Horst, 16, 57-66
differential (see Classification).
distribution of scores. Ferguson, 14, 61-68
efficiency. Brogden, 14, 169-182
optimal test length. Horst, 14, 79-88; Horst, 16, 189-202
test length. Horst, 15, 407-408
testing time. Taylor, 15, 391-406
- Principal axes, profile analysis. Harris, 20, 289-297
use in determining weights. Green, 15, 57-61
- Probability, conditioning model. Boguslavsky, 20, 125-138
diadic relations. Luce, Macy, and Tagiuri, 20, 319-327
group problem-solving model. Lorge and Solomon, 20, 139-148

- Probability (*cont.*)
 learning model. Miller and McGill, 17, 369-396; Gulliksen, 18, 297-307
 Markov chains. Miller, 17, 149-167; Kao, 18, 241-243; Goodman, 18, 245-248
 psychological. Coombs, 19, 183-194
 Probit analysis, biserial correlation. Maritz, 18, 97-110
 Problem-solving, group vs. individual. Lorge and Solomon, 20, 139-148
 Profile analysis. Harris, 20, 289-297
 classification. Dwyer, 19, 11-26
 job clusters. Thorndike, 18, 267-276
 Q-factor analysis. Sakoda, 19, 253-256
 Profile matching. Cattell, 14, 279-298
 Proportions (see Percentages).
 Psychometric Society, constitution. 14, 251-256
 membership list. 17, 447-456
 relation to other statistical groups. 15, 205-207
 Psychometricians, general objectives. Adkins, 15, 331-338
Psychometrika, rules for preparation of manuscripts. 18, 265 (c)
 Psychophysical curves, speed and length of problem. Birren and Botwinick, 16, 219-232
 Psychophysical scaling, multidimensional. Torgerson, 17, 401-419
 Psychophysics (see also Scaling).
 panel selection. Harrison, Ishler, and Laue, 19, 79-88
 successive intervals. Gulliksen, 19, 117-139
 test theory. Perry, 18, 319-325
 Q-technique (see Factor analysis, Q-technique).
 Qualitative variables, distance between classes. Wherry and Taylor, 11, 155-161
 information transmission. McGill, 19, 97-116
 multiserial eta. Wherry and Taylor, 11, 155-161
 regression. Wherry, 12, 189-195
 reliability. Guttman, 11, 81-95
 Quality control, scoring tests. Kimball, 15, 1-15
 selection. Sichel, 17, 1-39
 Rank, matrix. Guttman, 19, 149-161
 theorems. Reiersøl, 15, 121-149
 Rank correlation, average. Lyerly, 17, 421-428
 Rank-order methods, testing means. Festinger, 11, 97-105
 Ratings, reliability (see Reliability, ratings).
 status index. Katz, 18, 39-43
 Ratio scaling. Comrey, 15, 317-325
 Recall, model. Miller and McGill, 17, 369-396
 Rectification, parabolas. Chapanis, 18, 327-336
 Redundant chains, sociometric analysis. Luce and Perry, 14, 95-116; Ross and Harary, 17, 195-208
 Regression, analysis of variance. Bruner, Postman, and Mosteller, 15, 63-72
 curvilinear. Peters, 11, 57-69; Lord, 17, 181-194
 dichotomous criterion. Wherry, 12, 189-195
 factor analysis. Carter and Dudek, 12, 31-42
 hypothesis testing. Gulliksen and Wilks, 15, 91-114
 image theory. Guttman, 18, 277-296
 prediction of differences. Mollenkopf, 15, 409-417
 psychophysics. Perry, 18, 319-326
 real scores on raw scores. Hamilton, 15, 151-168; Lyerly, 16, 21-30
 tests for homogeneity. Gulliksen and Wilks, 15, 91-114
 Regression weights, computation. Gengerelli, 13, 135-146
 length of test. Horst, 13, 125-134
 Relational analysis, model. Luce, Macy, and Tagiuri, 20, 319-327
 Reliability, analysis of variance. Alexander, 12, 79-97; Horst, 14, 21-31; Cronbach and Warrington, 16, 167-188; Cronbach, 16, 297-334; Ebel, 16, 407-424; Cronbach and Warrington, 17, 127-147
 bounds. Cronbach and Warrington, 16, 167-188; Guttman, 18, 225-239; Guttman, 20, 113-124
 chance success. Plumlee, 17, 69-86
 comparison of methods. Gulliksen, 15, 259-269; Cronbach, 16, 297-334
 computation of maximizing weights. Green, 15, 57-61
 constancy of standard error of measurement. Mollenkopf, 14, 189-229
 correction for non-attempts. Gulliksen, 15, 259-269; Cronbach and Warrington, 16, 167-188
 correction for number of raters. Cureton, 17, 397-399
 correction for speeded tests. Guttman, 20, 113-124
 critique. Guttman, 18, 123-130; Gulliksen, 18, 131-133
 definitions. Cronbach, 12, 1-16
 difficulty. Brogden, 11, 197-214; Tucker, 14, 117-119; Plumlee, 17, 69-86; Horst, 19, 291-296
 equivalence. Johnson, 15, 115-119; Cronbach, 16, 297-334
 equivalent items. Tucker, 11, 1-13
 experimental dependence. Guttman, 18, 225-239
 factor analysis. Cronbach, 12, 1-16; Guilford and Michael, 15, 237-249
 for k choice items. Fowler, 12, 221-232
 generalized. Horst, 14, 21-31; Guttman, 20, 113-124
 item difficulty. Cronbach and Warrington, 17, 127-147; Lord, 17, 181-194
 item precision. Cronbach and Warrington, 17, 127-147

- length of test. Horst, 13, 125-134
 maximizing by item selection. Bedell, 15, 419-430
 modification of KR-20. Tucker, 14, 117-119
 navigator performance. Carter and Dudek, 12, 31-42
 qualitative data. Guttman, 11, 81-95
 ratings. Horst, 14, 21-31; Ebel, 16, 407-424; Cureton, 17, 397-399
 relation to validity. Horst, 14, 79-88
 sampling. Lord, 20, 1-22
 sociometric measures. Katz and Powell, 18, 249-256
 sources of error variance. Cronbach, 12, 1-16
 speeded tests. Gulliksen, 15, 259-269; Cronbach and Warrington, 16, 167-188; Angoff, 18, 1-14; Guttman, 18, 225-239; Guttman, 20, 113-124
 split-half. Cronbach, 16, 297-334
 standard length. Woodbury, 16, 103-106
 test for equality. Green, 15, 251-257
 theory. Guttman, 18, 225-239; Guttman, 20, 113-124
 validity. Horst, 16, 189-202
 variation across ranges of scores. Mollenkopf, 14, 189-229
 Rest-work curve. Tucker, 20, 51-61
 Restriction in range, estimation of parameters. Votaw, Rafferty, and Deemer, 15, 339-347
 Reward vs. punishment, learning theory. Gulliksen, 18, 297-307
 Rotation (see Factor analysis, rotation).
 Sample size, percentages. Swineford, 11, 43-49; Swineford, 14, 183-187
 Sampling, items vs. examinees. Lord, 20, 1-22
 sequential. Kimball, 15, 1-15
 Saturation coefficient. Loevinger, Gleser, and DuBois, 18, 309-317
 Scaling, critique. Guttman, 18, 123-130; Gulliksen, 18, 131-133
 discriminial dispersion. Rimoldi and Hormaeche, 20, 307-318; Burros, 20, 299-305
 factor analysis. Wherry and Winer, 18, 161-179
 Guttman scale analysis. McCarthy, 16, 247-269
 incomplete data. Gulliksen, 19, 117-139
 internal consistency check. Edwards and Thurstone, 17, 169-180
 interstimulus similarity. Coombs, 19, 183-194
 latent distance analysis. Hays and Borgatta, 19, 271-279
 least squares. Mosteller, 16, 3-9
 multidimensional. Torgerson, 17, 401-419
 paired comparisons. Mosteller, 16, 3-9; Mosteller, 16, 203-206; Mosteller, 16, 207-218; Gibson, 18, 15-21; Burros and Gibson, 19, 57-64
 panel selection. Harrison, Ishler, and Laue, 19, 79-88
 ranks. Cureton, 17, 397-399
 ratio. Comrey, 15, 317-325
 simplex. Guttman, 20, 173-192
 successive intervals. Edwards and Thurstone, 17, 169-180; Gulliksen, 19, 117-139; Rimoldi and Hormaeche, 20, 307-318; Burros, 20, 299-305
 test construction. Cronbach, 16, 297-334
 tests of goodness of fit. Mosteller, 16, 207-218
 theory. Coombs, 13, 59-68; Edwards and Kilpatrick, 13, 99-114; Weitzenhoffer, 16, 387-406; Edwards and Thurstone, 17, 169-180
 unfolding technique. Coombs, 19, 183-194
 Scalogram board, substitute. Gibson, 18, 111-113
 Scatter diagram, oblique coordinates. Gulliksen and Tucker, 16, 233-238
 Scholastic achievement, prediction. French, 13, 271-277
 Scoring, personality tests. Brogden, 19, 141-148
 Scoring formulas, *wrongs* score. Fruchter, 18, 257-265
 Scoring keys, multiple-choice items. French, 17, 101-106
 Scoring tests, biases. Hamilton, 15, 151-168
 checking accuracy. Kimball, 15, 1-15
 correction for guessing. Hamilton, 15, 151-168; Lyerly, 16, 21-30
 factor content. Fruchter, 18, 257-265
 Second-order factors (see Factor analysis, second-order).
 Selection (see also Classification).
 classification. Votaw, 17, 255-266
 efficiency. Brogden, 14, 169-182
 items. Gleser and DuBois, 16, 129-139; Webster, 18, 207-211
 multidimensional populations. Birnbaum, Paulson, and Andrews, 15, 191-204
 panel of judges. Harrison, Ishler, and Laue, 19, 79-88
 personnel. Thorndike, 15, 215-235; Sichel, 17, 1-39; Arbous and Sichel, 17, 331-346
 population. Votaw, Rafferty, and Deemer, 15, 339-347
 test. Summerfield and Lubin, 16, 271-284, 423-437
 test length. Taylor, 15, 391-406; Horst, 15, 407-408
 tests adjusted for time. Long and Burr, 14, 137-161
 unifactor items. Bedell, 15, 419-430
 Selection on population, item parameters. Gulliksen, 16, 285-296
 Selection ratio, optimum difficulty. Cronbach and Warrington, 17, 127-147
 Selective efficiency, personnel. Brogden, 11, 139-154; Brogden, 19, 205-208
 pre-screening. Arbous and Sichel, 17, 331-346

- Selective efficiency (*cont.*)
test battery. Sichel, 17, 1-39
- Self-organizing systems. Ashby, 12, 135-140
- Semi-partial correlation, square root method. Summerfield and Lubin, 16, 271-284, 423-437
- Sequential analysis, scoring tests. Kimball, 15, 1-15
- Serial correlation, interrelationships. Wherry and Taylor, 11, 155-161
multiserial eta. Wherry and Taylor, 11, 155-161
psychophysics. Perry, 18, 319-325
triseriial and higher. Jaspens, 11, 23-30
- Sign test, paired differences. Voss, 12, 43-49
- Simple structure (see Factor analysis, rotation).
- Simplex, factor analysis. Guttman, 20, 173-192
- Simplex method, classification. Dwyer, 19, 11-26
linear programming. Votaw, 17, 255-266
- Skewed distributions, negative binomial. Sichel, 16, 107-127
- Skewness, binomial. Gengerelli, 13, 69-77
influence on standard error of measurement. Mollenkopf, 14, 189-229
tests. Taylor, 12, 111-125
- Sociometric analysis. Luce, 15, 169-191
diadic relations. Luce, Macy, and Tagiuri, 20, 319-327
matrix methods. Luce and Perry, 14, 95-116
overlapping groups. Winer, 20, 63-68
redundant paths. Ross and Harary, 17, 195-208
reliability. Katz and Powell, 18, 249-256
status index. Katz, 18, 39-43
- Speed of addition, length of problem. Birren and Botwinick, 16, 219-232
- Speed vs. power, reliability. Guttman, 20, 113-124
- Speeded tests, reliability (see Reliability, speeded tests).
scoring. Fruchter, 18, 257-265
- Split-half reliability, critique. Cronbach, 16, 297-334
- Square root method. Summerfield and Lubin, 16, 271-284, 423-437; Harman, 19, 39-55
- Stability coefficient. Cronbach, 12, 1-16
- Standard errors, discriminant statistic P_{50} . Betts, 15, 435-439
test statistics. Lord, 20, 1-22
- Standard error of measurement, influence of skewness and kurtosis. Mollenkopf, 14, 189-229
test for equality. Green, 15, 251-257
variation over test-score range. Mollenkopf, 14, 189-229
- Standard test length. Woodbury, 16, 103-106
- Status index. Katz, 18, 39-43
- Status score, attitude scaling. Coombs, 13, 59-68
- Stimulus scales, construction. Coombs, 19, 183-194
- Stochastic models, learning model. Miller and McGill, 17, 369-396
Markov chains. Miller, 17, 149-167; Kao, 18, 241-243; Goodman, 18, 245-248
nervous system. Frankel, 20, 149-162
- Structural variables, identifiability. Reiersøl, 15, 121-149
- Successive intervals, internal consistency. Edwards and Thurstone, 17, 169-180
scaling. Gulliksen, 19, 117-139
- Successive residuals. Horst and Smith, 15, 271-289; Layton, 16, 51-56
- Sufficient statistics, true scores. Lord, 18, 57-76
- Summated ratings, scaling. Edwards and Kilpatrick, 13, 99-114
- Suppressor variables, factor analysis. Guilford and Michael, 13, 1-22
personality tests. Brogden, 19, 141-148
test selection. Wherry, 11, 239-247
- Tables, chi square for two degrees of freedom. Gordon, Loveland, and Cureton, 17, 311-316
correlated percentages. Swineford, 13, 23-25
high-low-27-per cent. Fan, 19, 231-237
item discrimination. Fan, 19, 231-237
mean of truncated normal deviates. Leverett, 12, 141-152
negative binomial. Sichel, 16, 107-127
percentages and sample size. Swineford, 11, 43-49; Swineford, 14, 183-187
phi coefficient. Jurgensen, 12, 17-29
point biserial correlation. Perry and Michael, 19, 313-325
rank tests on means. Festinger, 11, 97-105
skewness (significance levels). Taylor, 12, 111-125
tests for ranks. Moses, 17, 239-247
- tetrachoric correlation. Davidoff and Goheen, 18, 115-121; Davidoff, 19, 163-164; Hamilton, 13, 259-267; Welsh, 20, 83-85; Jenkins, 20, 253-258
- Test construction, difficulty and validity. Cronbach and Warrington, 17, 127-147
factor loadings. Wherry and Winer, 18, 161-179
forced choice items. Fowler, 12, 221-232
homogeneous tests. Loevinger, Gleser, and DuBois, 18, 309-317
item difficulty. Lord, 17, 181-194
item homogeneity. Cronbach, 16, 297-334
iterative factor analysis. Wherry, Campbell, and Perloff, 16, 67-74
length. Horst, 13, 125-134; Horst, 14, 79-88; Horst, 16, 189-202
maximum validity. Gleser and DuBois, 16, 129-139; Webster, 18, 207-211
multiple-choice items. Plumlee, 17, 69-86; Plumlee, 19, 65-70
persistence test. French, 13, 271-277
personality questionnaires. Brogden, 19, 141-148

- scaling items. Edwards and Kilpatrick, 13, 99-114
- univocal factor scores. Guilford and Michael, 13, 1-22
- Test selection. Horst and Smith, 15, 271-289
- computational procedures. Layton, 16, 51-56
- integral weights. Wherry and Gaylord, 11, 173-183
- square root method. Summerfield and Lubin, 16, 271-284, 423-437
- suppressor variables. Wherry, 11, 239-247
- weights. Gengerelli, 13, 135-146
- Wherry-Doolittle adjusted for time. Long and Burr, 14, 137-161
- Test theory, correction for guessing. Hamilton, 15, 151-168; Lyerly, 16, 21-30
- critique. Guttman, 18, 123-130; Gulliksen, 18, 131-133
- differential validity. Cronbach and Warrington, 17, 127-147
- difficulty related to reliability and validity. Brogden, 11, 197-214
- discrimination. Ferguson, 14, 61-68
- equivalent items. Tucker, 11, 1-13
- equating tests. Lord, 20, 193-200
- error of measurement. Green, 15, 251-257
- factor structure. Guilford and Michael, 15, 237-249
- forced-choice items. Brogden, 19, 141-148
- information. Cronbach, 19, 263-270
- item difficulty. Lord, 17, 181-194
- item parameters. Gulliksen, 16, 285-296
- item placement. Mollenkopf, 15, 291-315
- item selection. Wherry and Gaylord, 11, 173-183
- optimal length. Horst, 13, 125-134; Horst, 14, 79-88; Taylor, 15, 391-406; Horst, 15, 407-408; Horst, 16, 189-202
- psychophysics. Perry, 18, 319-326
- qualitative items. Guttman, 11, 81-95
- quantification of measurements. Cureton, 11, 191-196
- reliability. Guttman, 11, 81-95; Cronbach, 12, 1-16; Cronbach, 16, 297-334; Guttman, 18, 225-239
- reliability and validity. Tucker, 11, 1-13
- sampling items vs. examinees. Lord, 20, 1-22
- scoring. Fruchter, 18, 257-265
- selected populations. Gulliksen, 16, 285-296
- speed and power. Gulliksen, 15, 259-269; Mollenkopf, 15, 291-315; Cronbach and Warrington, 16, 167-188; Angoff, 18, 1-14
- standard errors. Lord, 20, 1-22
- standard length. Woodbury, 16, 103-106
- test selection. Wherry, 11, 239-247
- true scores. Lord, 18, 57-76
- validity. Horst, 16, 57-66; Plumlee, 19, 65-70
- variation in standard error of measurement. Mollenkopf, 14, 189-229
- Tetrachoric correlation, computation. Hamilton, 13, 259-269; Davidoff and Goheen, 18, 115-121; Davidoff, 19, 163-164; Welsh, 20, 83-85; Jenkins, 20, 253-258
- computing diagrams. Hayes, 11, 163-172
- estimation from phi coefficient. Guilford and Perry, 16, 335-346
- nomograph. Hamilton, 13, 259-269
- worksheet. Goheen and Kavruck, 13, 279-280
- Thurstone learning function, generalization. Gulliksen, 18, 297-307
- Time series, correlation. Payne and Staugas, 20, 87-92
- Toops *L*-method. Adkins, 14, 69-73
- Training methods, navigation. Carter and Dudek, 12, 31-42
- Transformations (see also Factor analysis, rotation).
 - orthogonal to oblique coordinates. Gulliksen and Tucker, 16, 233-238
 - parabolic curves. Chapanis, 18, 327-336
 - profile analysis. Harris, 20, 289-297
 - square root. Bruner, Postman, and Mosteller, 15, 63-72
- Transitional probabilities, stochastic model. Miller, 17, 149-167; Kao, 18, 241-243; Goodman, 18, 245-248
- Transmission, information. McGill, 19, 97-116
- Trends, comparisons. Lindquist, 12, 65-78
- reliability. Alexander, 12, 79-99
- significance. Lindquist, 12, 65-78
- Triangular matrix, inverse. Fruchter, 14, 89-93
- True ability, metric. Lord, 18, 57-76
- True scores, estimation. Lord, 18, 57-76
- standard error. Lord, 20, 1-22
- Truncated distributions, estimation of correlation. Weichelt, 11, 215-221
- estimation of parameters. Gulliksen, 16, 285-296
- Truncated multivariate normal. Birnbaum, Paulson, and Andrews, 15, 191-204; Votaw, Rafferty, and Deemer, 15, 339-347
- Truncated normal, biserial correlation. Maritz, 18, 97-110
- Truncated normal curve, mean of deviates. Leverett, 12, 141-152
- Truncated normal distribution. Birnbaum, 15, 385-389
- Unfolding technique, scaling. Coombs, 19, 183-194
- Unifactor tests. Bedell, 15, 419-430
- Univocal factor scores. Guilford and Michael, 13, 1-22
- Univocal tests, construction. Wherry and Winer, 18, 161-179; Loevinger, Gleser, and DuBois, 18, 309-317
- scoring formulas. Fruchter, 18, 257-265
- Unweighted means analysis, analysis of variance and covariance. Tsao, 11, 107-128

- Utility, test. Cronbach, 19, 263-270
- Utility scales, construction. Coombs, 19, 183-194
- Validity, correction for chance success. Johnson, 12, 51-58
- difficulty. Brogden, 11, 197-214
- distribution of scores. Ferguson, 14, 61-68
- effect of cutting score. Birnbaum, 15, 385-389
- item. Gulliksen, 16, 285-296
- item difficulty. Johnson, 12, 51-58
- item selection. Gleser and DuBois, 16, 129-139; Webster, 18, 207-211
- length. Cronbach, 19, 263-270
- maximum. Horst, 16, 57-66
- multiple-choice vs. answer-only items. Plumlee, 19, 65-70
- optimum difficulty. Cronbach and Warrington, 17, 127-147; Lord, 17, 181-194
- persistence test. French, 13, 271-277
- prediction. Horst, 16, 57-66
- reliability. Tucker, 11, 1-13
- speeded tests. Myers, 17, 347-352
- test length. Horst, 13, 125-134; Horst, 14, 79-88; Long and Burr, 14, 137-161; Taylor, 15, 391-406; Horst, 15, 407-408; Horst, 16, 189-202
- USAFI tests. Findley and Andregg, 14, 47-60
- Variance analysis (see Analysis of variance).
- Variance components, error term. Binder, 20, 29-50
- Vector spaces. Reiersøl, 15, 121-149
- Votaw's test. Green, 15, 251-257
- War, psychology. Richardson, 13, 147-174, 197-232
- Weighting, suppressing factors. Guilford and Michael, 13, 1-22
- univocal factor scores. Guilford and Michael, 13, 1-22
- Weights, discriminant function. Wherry, 12, 189-195
- length of test. Horst, 13, 125-134
- optimum classification. Thorndike, 15, 215-235
- test selection. Wherry and Gaylord, 11, 173-183
- Wherry-Doolittle test selection procedure, integral weights. Wherry and Gaylord, 11, 173-183
- suppressor variables. Wherry, 11, 239-247
- time adjustments. Long and Burr, 14, 137-161
- Wherry-Gaylord iterative factor analysis. Wherry, Campbell, and Perloff, 16, 67-74; Wherry and Winer, 18, 161-179
- Wilks' criterion, equality of standard error of measurement. Green, 15, 251-257
- Wilks' criterion for homogeneity of inter-correlation matrices. Gulliksen and Wilks, 15, 91-114
- Wilks-Votaw criterion parallel tests. Lord, 20, 1-22

